

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number
WO 2005/085348 A1

(51) International Patent Classification⁷: **C08L 67/00**

Company, Limited, 6, Kitahara, Tsukuba-shi, Ibaraki
3003294 (JP).

(21) International Application Number:
PCT/JP2005/004386

(22) International Filing Date: 7 March 2005 (07.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-068008 10 March 2004 (10.03.2004) JP

(71) Applicants (for all designated States except US): MAT-
SUSHITA ELECTRIC WORKS, LTD. [JP/JP]; 1048,
Oaza-Kadoma, Kadoma-shi, Osaka 5718686 (JP). SUM-
ITOMO CHEMICAL COMPANY, LIMITED [JP/JP];
27-1, Shinkawa 2-chome, Chuo-ku, Tokyo, 1048260 (JP).

(74) Agents: NISHIKAWA, Yoshikiyo et al.; Hokuto Patent
Attorneys Office Umeda-Daiichiseimei Bldg., 5th Floor,
12-17, Umeda 1-chome, Kita-ku, Osaka-shi, Osaka
5300001 (JP).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

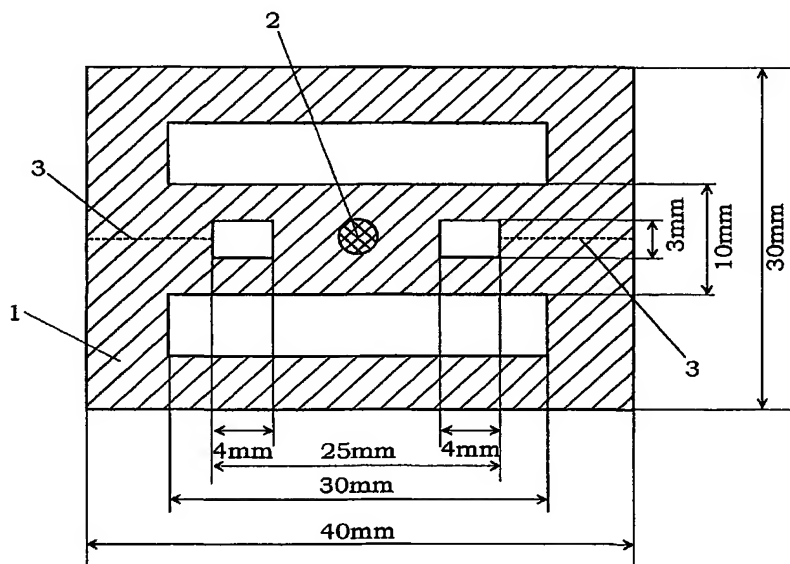
(72) Inventors; and

(75) Inventors/Applicants (for US only): IKEGAWA,
Naoto [JP/JP]; c/o Matsushita Electric Works, Ltd.,
1048, Oaza-Kadoma, Kadoma-shi, Osaka, 5718686 (JP).
OKAMOTO, Satoshi [JP/JP]; c/o Sumitomo Chemical

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: METAL-COATED RESIN MOLDED ARTICLE AND PRODUCTION METHOD THEREFOR



(57) Abstract: A metal-coated resin molded article is provided, which has improved adhesion between a metal layer and a substrate of a resin composition as well as excellent moldability, heat resistance, electronic and mechanical properties. The resin composition comprises a liquid-crystalline polyester and an epoxy-group containing ethylene copolymer. The ethylene copolymer contains 50 to 99.9 wt% of an ethylene unit and 0.1 to 30 wt% of at least one of an unsaturated carboxylic acid glycidyl ester unit and an unsaturated glycidyl ether unit in the molecule thereof. A content of the ethylene copolymer is in a range of 0.1 to 25 parts by weight with respect to 100 parts by weight of the liquid-crystalline polyester.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*